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1. (Amended) A method of detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming pictures of said video signal, the method comprising the steps:

accumulating spatially corresponding coefficients of a plurality of pictures;

inverse transforming said accumulated coefficients into an accumulated plurality of pictures; and

detecting the watermark in said accumulated plurality of
10 pictures.

2. (Amended) The method as claimed in claim 1, wherein said encoded video signal includes predictively encoded pictures each comprising coefficients representing a residual picture after subtracting a prediction picture, and wherein the step of
5 accumulating coefficients is applied to the coefficients representing said residual pictures irrespective of coefficients representing the prediction picture.

3. (Amended) The method as claimed in claim 2, wherein said predictively encoded pictures further include motion vectors, and wherein the step of accumulating coefficients is carried out irrespective of said motion vectors.

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4. (Amended) An arrangement for detecting a watermark in a compressed video signal comprising spectral coefficients obtained by transforming pictures of said video signal, the arrangement comprising:

5 means for accumulating spatially corresponding coefficients of a plurality of pictures;

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means for inverse transforming said accumulated coefficients into an accumulated plurality of pictures; and

10 means for detecting the watermark in said accumulated plurality of pictures.

5. (Amended) An arrangement for decoding a compressed video signal comprising spectral coefficients obtained by transforming pictures of said video signal, the arrangement comprising:

5 means for accumulating spatially corresponding coefficients of a plurality of pictures; and

means for inverse transforming said accumulated coefficients into an accumulated plurality of pictures.

6. (Amended) A device for recording and/or playing back a compressed video signal, said device comprising means for disabling recording and/or playback of the video signal in dependence upon the presence of a watermark in said video signal, characterized in

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that the device comprises an arrangement for detecting said watermark in the video signal, said arrangement comprising:

means for accumulating spatially corresponding coefficients of a plurality of pictures;

10 means for inverse transforming said accumulated coefficients into an accumulated plurality of pictures; and

means for detecting the watermark in said accumulated plurality of pictures.
